## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application.

Please cancel claims 16-22 from this application without prejudice.

Claim 1 (Currently Amended): A demultiplexor demultiplexer, comprising

a first section capable of receiving a WDM beam,

a diffraction grating <u>integrally</u> formed <del>connected with the</del> <u>in the</u> first section, the WDM beam being directed onto the internal surface of the diffraction grating, the diffraction grating providing angularly separated beams on the external surface of the diffraction grating;

a second section connected to the integrally formed with the first section; and a third section connected the integrally formed with the second section, the third section positioned relative to the first section to receive spatially separated light beams of a selected diffraction order from the diffraction grating.

wherein the first section, the second section, and the third section are integrally formed in a single piece.

Claim 2 (Currently Amended): The demultiplexor demultiplexer of Claim 1, wherein further including a reflective surface integrally formed on the first section that directs the WDM beam received into the first section onto a bottom surface of the diffraction grating.

Claim 3 (Currently Amended): The demultiplexor demultiplexer of Claim 2, wherein the reflective surface is coated external to the first section with thin film to enhance internal reflection of the WDM beam.

Claim 4 (Currently Amended): The demultiplexor demultiplexer of Claim 2, wherein the reflective surface is coated with a reflective film.

Claim 5 (Currently Amended): The demultiplexor demultiplexer of Claim 4, wherein the reflective film is a gold film.

Claim 6 (Currently Amended): The demultiplexor demultiplexer of Claim 4, wherein the reflective film is a silver film.

Claim 7 (Currently Amended): The demultiplexer of Claim 1, wherein the first section includes an integrally formed collimating lens <u>integrally formed into the single piece</u>, the integrally formed collimating lens collimating the WDM beam received from an optical fiber.

Claim 8 (Currently Amended): The demultiplexer of Claim 7, further including a barrel integrally formed <u>into the single piece</u> with the first section, the barrel capable of receiving an optical fiber and aligning the optical fiber with the collimating lens.

Claim 9 (Currently Amended): The demultiplexer of Claim 7, further including a post integrally formed into the single piece with the first section, the post capable of receiving a barrel, the barrel capable of receiving an optical fiber and aligning the optical fiber with the collimating lens.

Claim 10 (Original): The demultiplexer of Claim 8, wherein the barrel includes a fiber access and a fiber stop.

Claim 11 (Original): The demultiplexer of Claim 9, wherein the barrel includes a fiber access and a fiber stop.

Claim 12 (Original): The demultiplexer of Claim 1, wherein the third section includes a focusing lens.

Claim 13 (Original): The demultiplexer of Claim 12, wherein the third section further includes a support around the focusing lens.

Claim 14 (Original): The demultiplexer of Claim 13, wherein a detector array can be mounted on the support so that the spatially separated beams are directed onto individual detectors of the detector array.

Claim 15 (Currently Amended): The demultiplexer of Claim 13, wherein [[an]] optical fibers are arranged to receive individual ones of the spatially separated beams.

Claims 16-22 (Canceled).

Claim 23 (Currently Amended): A demultiplexer, comprising:

means for separating an input light beam into eonstituent constituent parts with an integrally formed component;

means for detecting the constituent parts from the integrally formed single piece component;

means for aligning the means for separating with the means for detecting.